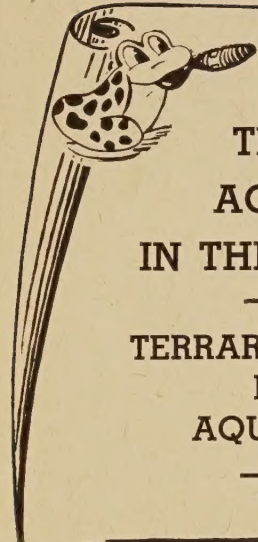


Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



**THINGS
AQUATIC
IN THE SCHOOL**

**TERRARIUM PLANTS
IVIES
AQUARIUMS**

★ LOVELAND ★
GOLDFISH FARM-AQUATIC NURSERIES
LOVELAND, OHIO

Return Postage Guaranteed

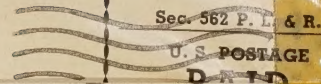
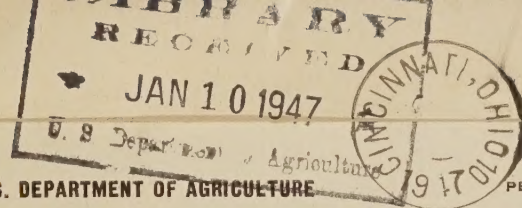
U. S. DEPARTMENT OF AGRICULTURE

OFFICIAL BUSINESS

LIBRARY

U. S. Department of Agriculture

Washington 25, D. C.



PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, \$300

GPO

ENJOY NATURAL BEAUTY WITH THESE AQUATIC PLANTS

All you need for equipment is a rectangular glass aquarium of capacity from 2 to 20 gallons, sufficient aquarium gravel or well washed sand to cover the bottom of the aquarium to a depth of two inches.

Plants are the most important of the aquarium equipment. They keep the water in good condition because they release oxygen, and, on the other hand, take up the carbon dioxide given off by the fishes. Plants also serve as a natural refuge for the inhabitants from too much light. They are the first essential of an attractive and well-balanced aquarium, for their utility as well as their educational value. It is because of the plants that you do not have to change water in an aquarium.

To human beings plants are used around the house for decorative purposes; in the aquarium they serve the same ornamental purpose plus a more valuable one, that of furnishing oxygen to the fish.

We have listed only those plants which we know from experience are the best for the purpose. Plants shipped are divided into two classes: those with roots and crowns which must be rooted in sand, and others which are shipped as bunched plants. These can be separated and the stems anchored in the sand and readily take root. At times immediately after planting the water may assume a cloudy appearance, but as the plants grow this coloration will disappear.

By a balanced aquarium is meant a tank in which the air surface of the water supplemented by plants will supply sufficient oxygen for the needs of the fish to be maintained therein. Also a well balanced aquarium, the plants and scavengers will consume most of the refuse from the fish, making the changing of the water in the tank unnecessary, although enough fresh water should be added from time to time to compensate for evaporation.

DWARF AQUARIUM LILY—A true Water Lily that grows well in sand in the aquarium. **45c** per plant.

FLOATING WATER FERN—This is an interesting plant. Grows anywhere in size from an inch to 2 feet in diameter, according to the conditions under which it is kept. It is viviparous, the young plants forming in large plant leaves. **10c** per plant.

FOUR LEAF CLOVER. per portion **25c**

HAIR GRASS—We now have two varieties of this plant. Floating Variety—that can be planted or allowed to float. Another variety that stays dwarf—which grows about three inches tall. **15c** per portion.

SPATTERDOCK, SOUTHERN—Beautiful, fan-shaped leaves, needs good light. **20c** each

SPATTERDOCK, TROPICAL—A wide, round-leaf variety that is very attractive. **20c** each

SAG. GUAYANENSES—Oval, wide leaved, center plant. Requires a bright light. **25c**

WATER SPRITE—Long graceful fronds spread fan-like in the water. A very desirable plant. Interesting to watch the young plants form on the old leaves.

Small size plants **15c** each; large size **25c** each.

WATER ORCHID—A beautiful shaped subaquatic—grows under shaded conditions. Sometimes produces flowers. **Per plant 35c.**

AQUATIC LIFE HAS UNTOLD VALUES IN THE INDOORS AND BE IT IN THE HOME OR IN THE OFFICE, IN THE SICK ROOM—THE UNUSUAL AMOUNT OF PLEASURE RECEIVED FROM AN AQUARIUM OFFSETS WHAT LITTLE EFFORT MUST BE MADE FOR THE UPKEEP. LITTLE DIFFICULTY IS HAD IN MAINTAINING AN AQUATIC GARDEN ONCE IT IS ESTABLISHED.

PLANTS SHOULD HAVE 8 TO 10 HOURS—GOOD NATURAL LIGHT. IF IN A POOR POSITION FOR LIGHT AN ELECTRIC LIGHT MUST BE SUBSTITUTED. THIS IS DONE BY PLACING A REFLECTOR ON THE TOP OF THE AQUARIUM—GIVING THE PLANTS 8 TO 10 HOURS OF THIS ARTIFICIAL LIGHT. THIS WILL GROW PLANTS AS WELL AS NATURAL LIGHT.



HAVE A GOOD SUPPLY OF PLANTS IN THE AQUARIUM. MORE THAN HALF THE BEAUTY OF AN AQUARIUM IS IN ITS PLANTING.

Listing now two of the most popular varieties—**VALLISNERIA SPIRALES**—(Eel grass). This plant in moderately good light multiplies rapidly and forms a dense growth. It is one of the best oxygenators. **5 for 25c; 50c per dozen.**

VALLISNERIA "CORKSCREW"—A variation with spiral formation of its leaves. Very desirable as it only grows to the top of the water. **5 for 25c; 50c per dozen.**

VARIEGATED VALLISNERIA—A broad leaf variety excellent for larger size aquaria. **3 for 25c**

SAGITTARIA—AN OLD BUT USEFUL PLANT, IT HAS GRASS LIKE FORM AND PROPAGATES BY RUNNERS.

SAGITTARIA SINENSIS—This variety generally grows from 6 to 12 inches, one of our best items. **10c each; 3 for 25c.**

SAGITTARIA SUBULATA—Its leaves are narrow and thick and dark green. Plant propagates rapidly, leaves, 4 to 10 inches long. **3 for 15c—50c per dozen**

SAGITTARIA MICROFOLIA—Excellent for front planting, dwarf variety grows 2 to 3 inches in height. **4 for 25c**

SAGITTARIA PUSILLA—A very desirable variety for small tanks. **5c each; 50c per dozen.**

TOO—THE AQUARIUM GARDEN IS ONE OF THE MOST ATTRACTIVE OF ADDITIONS TO THE LIVING ROOM OR THE DINING ROOM. IT IS AN OUTSTANDINGLY DIFFERENT TYPE OF FURNITURE AND BEAUTIFULLY TAKES ITS PLACE WITH THE SCHEME OF DESIGN.

Plants for special purposes.

Choice varieties to add to the aquarium.

AMBULIA—A new plant similar in appearance to Cabomba—but much more satisfactory to use in aquarium—light green plant. **25c per bunch.**

BANANA PLANTS—An aquatic oddity and easy to grow—a real curiosity—just place it in the tank and watch it grow. **15c each.**

CARDIMINE—Round sage green leaves. **Per bunch 25c.**

CELLOPHANE PLANT—Have leaves of beautiful (cellophane)—green—plants are attractive as center plant; from Honduras. Medium plants **25c**—Large plants **50c**



AQUARIUM PLANTS

(Continued)



POTAMOGETON (praelongus)—A new plant for aquariums. Resembles Ludwigia. But grows considerably better than Ludwigia in Aquatic Gardens. A very attractive plant emerald green leaves, narrow and long. Branches very freely. Does excellent in subdued light.

**cuttings 25c per bunch
plants 25c each**

WHILE IT IS ADVISABLE TO GIVE THE FISH AS MUCH SPACE AND NATURAL SURROUNDING AS POSSIBLE YET ONE SHOULD NOT CONDEMN THOSE THAT DO NOT HAVE THE SPACE TO MAINTAIN A LARGE OUT-FIT AND HAVE THEIR FISH IN A GLOBE—MILLIONS OF FISH ARE KEPT AND MAINTAINED IN THESE GOLDFISH GLOBES—WITH COMPLETE SUCCESS.

**Anacharis—Cabomba—Dwarf Anacharis
Ludwigia—Green Myrio**

The varieties of the above list of plants are in separate bunches.

15c Per Bunch

THE ABOVE PLANTS ARE BUNCHED—THESE VARIETIES ARE SUITABLE TO USE IN GOLDFISH GLOBES OR CAN BE USED IN TROPICAL AQUARIA—BY GENTLY ANCHORING IN THE SAND OR GRAVEL.

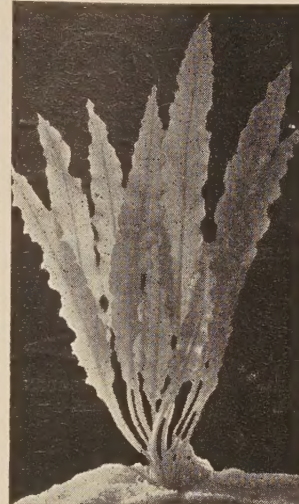
FLOATING PLANTS—Duckweed, Salvinia, Azolla, Riccia assorted. **25c per portion**

AMAZON SWORD PLANT—A gorgeous aquatic plant. Large leaves, bright green varying in shade, depending on light. Excellent as a centerpiece plant. Young plants are produced by runners. **75c each**

ALL PLANTS REGARDLESS OF THE SIZE OF AN ORDER MUST BE PACKED CAREFULLY TO INSURE AGAINST DAMAGE DUE TO DRYING OUT, ROUGH HANDLING AND COLD. THE BULK OF THE WEIGHT IS IN THE WET PACKING.

Orders for \$1.50 or less require 15c for packing and postage which amount should be added to amount of order.

WE DO LIKE—SOMETHING THAT IS DIFFERENT—SOMETHING TO BE PROUD TO OWN—WE REGARD THESE TWO PLANTS AS THE MOST MAGNIFICENT OF ALL LARGE AQUARIUM PLANTS.



APONOGETUM CRISPUS

Another magnificent aquarium plant. The somewhat translucent leaves of this striking plant look like green swords with rippled edge.

Price—\$1.00 each



APONOGETUM ULVACEUS

This plant is rated as the most magnificent of all large aquarium plants. The latticed, semi-translucent green leaves are truly beautiful. Comes from Madagascar. Reproduction is mainly from young plants found on bulb like root. Has wonderful growing qualities.

Price—\$2.50 each

IT IS NOT EXPENSIVE TO START YOUR OWN AQUARIUM NOR IS IT DIFFICULT TO KEEP YOUR PLANTS AND FISH HEALTHY. FOR THE LITTLE CARE THEY NEED THEY WILL REPAY YOU MANY TIMES OVER IN ENJOYMENT, EDUCATION AND GREATER ATTRACTIVENESS OF YOUR HOME.

HEALTHY PLANTS PRODUCE OXYGEN WHICH MAKES HEALTHY FISH. ALWAYS OF INTEREST IS SOMETHING NEW OR UNUSUAL. HERE IS A GROUP OF PLANTS THAT ARE UNUSUALLY GOOD.

CRYPTOCORYNE—This plant has many good points in addition to its interesting appearance. It does well in subdued light and the leaves are tough. There are four species. Multiplication is from runners and divisions of the roots.

CRYPTOCORYNE BECKETTII—A dwarf variety of light green foliage.

20c per plant.

CRYPTOCORYNE CORDATA—An attractive plant, top of leaf green, bottom of leaf red—wider than Willisii. **35c each**

CRYPTOCORYNE GRIFFITHII—Larger than Willisii, with broad, oval, pointed leaves that are green on top, pink beneath. **75c per plant.**

CRYPTOCORYNE WILLISII—A decorative plant which is out of the ordinary. Leaves shaped like terrestrial plant rising from a crown at the surface of the soil. Does well in subdued light. **25c**

CRYPTOCORYNE COLLECTION

1 each above four varieties

\$1.35

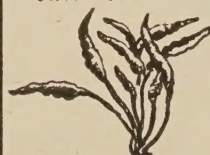
YOU WILL ENJOY THIS COLLECTION OF AQUATIC PLANTS.



CRYPTOCORYNE GRIFFITHII



CRYPTOCORYNE CORDATA



CRYPTOCORYNE WILLISII



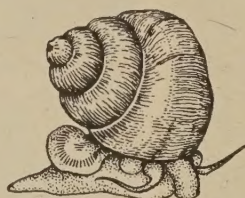
CRYPTOCORYNE BECKETTII

SCAVENGERS . . .

for the Aquarium and Pool



AUSTRALIAN SNAIL



JAPANESE SNAIL



RED RAMSHORN SNAIL



FOUR HORNED SNAIL



POND SNAIL



BLACK RAMSHORN SNAIL

Be sure to have some scavengers in your aquarium. Scavengers consume the excrements of the fish, in fact any and all refuse which they find in the aquarium, and thus keep the water clean and in excellent condition. Scavengers placed by themselves in an aquarium are very interesting to watch. The Japanese Snails bring forth their young alive. The Water Newts and Turtles, while not as useful as Scavengers, are very entertaining.

NEW PHILIPPINE SNAIL—"Horn of Plenty"—a pygmy snail of dark brown color—live bearing—very prolific. I regard this snail very highly—in maintaining an aquatic garden for its ability to eat up excess food—2 for **25c**—**\$1.00** per dozen

FOUR HORNED SNAILS (*Ampullaris Cuprina*) A very interesting and useful scavenger for aquarium uses. A real attraction. The snail lays eggs above the water level. They deposit between 200 and 300 eggs in one bunch. Medium size snails 2 for **25c**, **\$1.00** dozen—Large Breeder size 2 for **75c**

FOUR HORNED SNAILS EGGS—We can supply these eggs. They come in a nest. These small snails are easy to hatch. There are approximately 200 to 300 in a nest. Direction with order. Price **\$1.00**

TRAP DOOR SNAILS (*Viviparus Malleatus*) Originally from Japan but now raised in this country. The sexes are separate in this variety. Extra large selected **35c** per pair—assorted sizes 2 for **25c**—**\$1.00** per dozen

BLACK RAMSHORN SNAILS (*Planorbis Rubrum*). They are prolific, spawning from October to June. Extra large size selected 2 for **20c**—assorted sizes 6 for **50c**

RED AUSTRALIAN SNAILS—a dwarf variety that is very prolific—egg layer. 3 for **25c**

RED RAMSHORN SNAILS (*Isarora Proteus*). An active worker, egg laying variety. Breeding size, 2 for **35c**

POND SNAILS (*Physa*). Small, 6 for **25c**

FRESH WATER CLAMS. 2 for **25c**—**\$1.00** per dozen

BABY TURTLES. Little fellows about two inches across, with mosaic designs on their upper and lower shells. These little fellows should be fed—Turtle food—fresh lettuce and white worms. **50c** each

AMERICAN NEWT or **SALAMANDER**. Each **35c**—6 for **\$1.50**

SCAVENGERS COLLECTIONS ARE LISTED ON PAGE 5.

GOLDFISHES . . .

COMET TAILS—a variety with graceful long tails. These are the best known of the goldfish.

2 to 3 inch each **10c** dozen **\$1.00**
3 to 4 inch each **15c** dozen **1.25**

TELESCOPES—An odd fish with large protruding eyes, velvety black, red or red and white colorations.

2 inch each **15c** dozen **\$1.50**
3 inch each **25c** dozen **2.50**

FANTAILS—These are the best liked of the Fancy Fishes.

2 inch each **15c** dozen **\$1.50**
3 inch each **25c** dozen **2.50**

CALICO FANTAILS AND TELESCOPES—Marvelously colored in mottled formation.

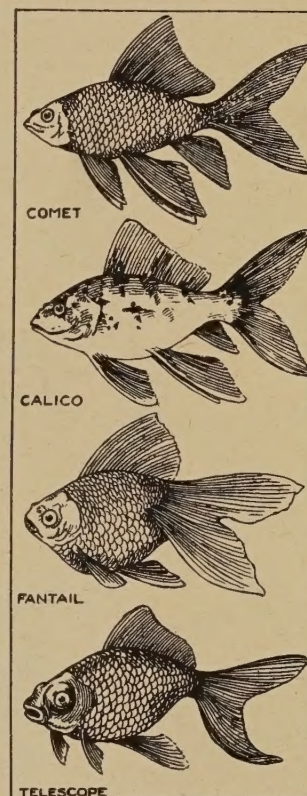
2 inch each **30c** dozen **\$3.00**
3 inch each **35c** dozen **3.50**

SHUBUNKINS—A thoroughly hardy fish, brilliantly mottled colors, blue, red, and black, white, yellow and brown.

2 inch each **15c** dozen **\$1.50**
3 inch each **25c** dozen **2.50**

CALICO NYMPHS—A short heavy bodied fish with comet tails. Colored same as the Shubunkins.

2 inch size **25c** dozen **\$2.50**
3 inch size **35c** dozen **3.50**



GOLDFISH ARE SHIPPED BY EXPRESS

Minimum order **\$1.00**.

No orders accepted if shipping distance is over 1000 miles.

We guarantee live arrival on all goldfish.

If shipment should arrive in bad condition notify Express office claim department at once! Get a Bad Order Report and mail this to us, together with empty can and we will replace lost fish. Right reserved to replace or refund at our discretion.

Orders for fish up to 25 of the smaller sizes are shipped in small cans which are not to be returned. **35c** should be added to your order for this can.

Orders for fish up to 50 of the smaller sizes, a regular shipping can is used. A **\$1.00** deposit is required on these cans which must be returned prepaid. Deposit will be refunded.

Orders for fish more than 50 are shipped in larger size goldfish cans. A **\$3.00** deposit is required on these cans which must be returned prepaid for return of deposit.

GOLDFISH COLLECTIONS ARE LISTED ON PAGE 5.

COLLECTIONS THAT ARE COMPLETE . . .

AQUATIC PLANT COLLECTIONS

COLLECTION NO. A-1

An assortment of five kinds of aquatic plants in sufficient quantity to plant a five gallon aquarium. **75c**

COLLECTION NO. A-2

For those aquarists with a five to eight gallon aquarium who desire a wider variety of oxygenating plants we recommend this collection. Eight varieties of plants. **\$1.00**

COLLECTION NO. A-3

An assortment of at least 20 selected plants in eight to ten varieties. Sufficient for an attractive display in a 10 gallon aquarium. **\$1.50**

COLLECTION NO. A-4

A DeLuxe assortment of at least 20 assorted plants including some of the more rare types such as Cryptocoryne, Celophane Plant, Spatterdock, etc., for a 10 to 15 gallon aquarium. **\$2.50**

COLLECTION NO. A-5

For the 15 to 20 gallon aquarium we recommend this assortment: 30 plants of at least 12 varieties including the Cryptocoryne. **\$3.00**

COLLECTION NO. A-6

For the 20 to 30 gallon aquarium—a collection of 30 or more plants including the four varieties of Cryptocoryne and one of the Aponogeton. **\$5.00**

SCAVENGER COLLECTION

Collection No. S-10

Snail collection. Consists of a selection of five varieties of snails. All nice, selected specimens. **\$1.25**

TROPICAL FISH

COLLECTION NO. F-1

Live-Bearing Fish. These fish bring forth their young alive. A collection of fifteen fish in all the popular varieties. Swordtails, Moons, Black Mollies, Veil-tail Guppies, etc. This complete collection for a 10 to 15 gallon aquarium. **\$3.50**

COLLECTION NO. F-2

Egg-Laying Fish. These fish lay eggs; some adhesive, some non-adhesive. Five pairs of these interesting fish consisting of Daneos, Tetras, Gourami, Betta and Barbs—This collection suitable for the ten or fifteen gallon aquarium. **\$5.00**

COLLECTION NO. F-4

Happy Family Assortment—This assortment consists of live bearing fish such as Swordtail, Moons, Mollies, Guppies, Daneo, Tetra and Barbs—Seven pair—suitable for a ten or fifteen gallon aquarium. **\$5.00**

On tropical fish orders we loan you the container. This container is to be returned at once express Prepaid—30c flat rate from anywhere in the United States.

Live arrival guaranteed on Tropical Fish from April 1st to November 1st only. Balance of time at Customers risk only.

GOLDFISH COLLECTIONS

Col. No. G-1—10 fish—cute little Fantails—coal black Telescopes—Comet Tails—odd Shubunkins. **\$1.85**

Col. No. G-2—For the 10 gallon aquarium. 15 fish, assorted. **\$2.35**

Col. G-3—Extra Fancy Goldfish—Fifteen selected Fantails, Telescopes, and Shubunkins in both the scaleless and regular varieties—medium sizes. All selected for good color, shape and fins. Will develop nicely in a ten to fifteen gallon aquarium. **\$3.35**

GOLDFISH SHIPPING INSTRUCTION PAGE 4

Above prices on goldfish include shipping can.

PLANT AND SCAVENGER COLLECTION

PS-1—Plants and Scavengers. A collection suitable for a 2 to 5 gallon aquarium. 8 Plants and 4 Snails **\$1.00**

PS-2—A collection of 15 selected plants and 6 assorted snails—suitable to Balance a 10 gallon aquarium. **\$1.50**

PS-3—This collection for a 15 to 20 gallon aquarium. 20 assorted Plants (Col. A-4) and asst. of Snails (Col. S-10). **\$3.50**

. . . AQUARIUMS . . .



STAINLESS STEEL AQUARIUMS

These aquariums are made of DeLuxe Construction and because of their better class metal exceptional care is taken to have the glass of extra clear vision quality. Slate Bottoms.

These aquariums when landscaped and set up will lend atmosphere to any room in which they are placed.

The Following Are The Sizes Now In Stock

| No. | Width | Length | Height | | |
|-------|-------|--------|--------|---------|---------|
| AC 2 | 6 | 10 | 8 | 2 gal. | \$ 3.00 |
| AC 3 | 7 | 12 | 9 | 3 gal. | 4.00 |
| AC 5 | 8 | 14 | 10 | 5 gal. | 5.75 |
| AC 8 | 9½ | 18 | 11½ | 8 gal. | 7.95 |
| AC-10 | 10 | 20 | 12 | 10 gal. | 9.95 |
| AC 15 | 12 | 24 | 12 | 15 gal. | 12.50 |

Shipped only by Express

Prices quoted do not include gravel guard and gravel as illustrated.

All Aquarium prices include Packing charge.

Aquariums are shipped only VIA Railway Express and are sent express charges collect. If aquariums arrive in bad condition (this happens at times) get a Bad Order report from the express agent. No claims considered without the report. Do not return any damaged merchandise without writing for instruction first.

This Bad Order report must be mailed to us here in order that we can file claim.



METAL FRAME AQUARIUM

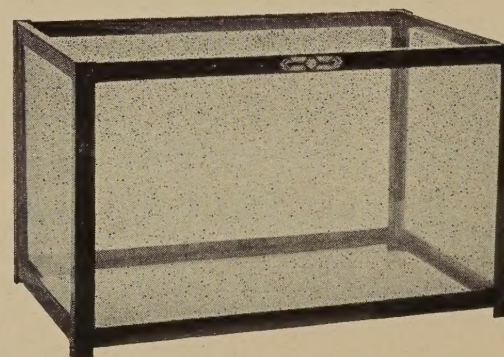
These aquariums are constructed of heavy gauge rustless steel, properly formed and welded. These aquaria of clear glass sides and slate bottoms, excellent for either aquarium or terrarium use. Black or Marble Finish.

The Following are the Sizes Now in Stock

| No. | Width | Length | Height | | |
|-------|-------|--------|--------|---------|---------|
| AS 5 | 8 | 14 | 10 | 5 gal. | \$ 4.95 |
| AS 10 | 10 | 20 | 12 | 10 gal. | 8.95 |
| AS 15 | 12 | 24 | 12 | 15 gal. | 11.50 |

Shipped only by Express

Prices quoted do not include gravel guard or gravel as illustrated.



GLASS BOTTOM AQUARIUMS

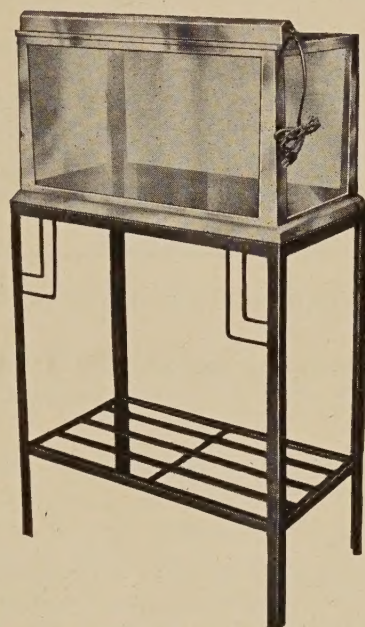
Made with clear glass sides, glass bottom. Beautiful and durable. Black baked enamel metal frames.

| No. | Width | Length | Height | | |
|-------|-------|--------|--------|---------|--------|
| AO 2 | 6½ | 14½ | 7½ | 2 gal. | \$2.00 |
| AO 5 | 9¼ | 15¼ | 9½ | 5 gal. | 4.50 |
| AO 10 | 10 | 20 | 10 | 10 gal. | 7.50 |

Shipped only by Express

AQUARIUM STANDS

REFLECTORS



Stainless Steel Reflectors

Aquarium Reflectors are essential where natural light is not strong to stimulate plant growth.

| | |
|---------------------|---------|
| 18 inches long..... | \$ 7.50 |
| 20 inches long..... | 8.00 |
| 24 inches long..... | 8.50 |
| 30 inches long..... | 9.50 |
| 36 inches long..... | 13.50 |

As illustrated above

Aquarium Stands

Built of wrought iron very durable. The lower shelf may be used for an extra aquarium or for house plants.

| | |
|---------------------------------|---------|
| 10x20x30 for AC10 Aquarium..... | \$10.00 |
| 12x24x30 for AC15 Aquarium..... | 11.00 |
| 12x30x30 for AC20 Aquarium..... | 13.50 |

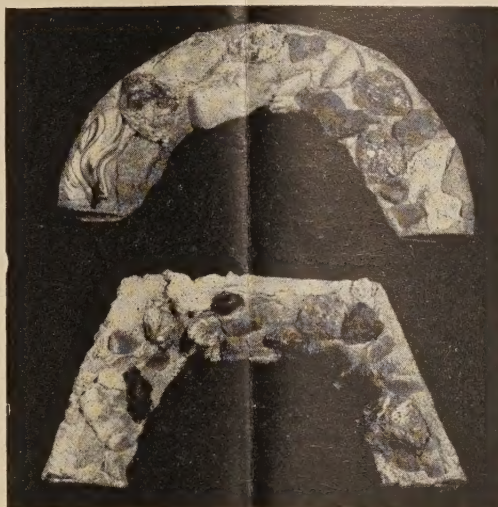
As illustrated above Shipped by Express

Rolled Base Stainless Steel Aquariums

| | |
|---|---------|
| Wide Long High | |
| 10 x 25½ x 16 12 gal..... | \$25.00 |
| Complete with stand and Reflector as illustrated above..... | \$45.00 |

All Aquariums are shipped only via Railway Express.

GRAVEL GUARDS



Gravel guards, or food guards are both ornamental and useful. They assist in arrangement and set off aquarium plans to better advantage. If gravel is placed flush with back of guards and one inch higher at back of aquarium, most of the dirt will accumulate in front of guard and can be easily syphoned off.

The above illustrated guard to be used in 2 to 5 gal. size aquarium.

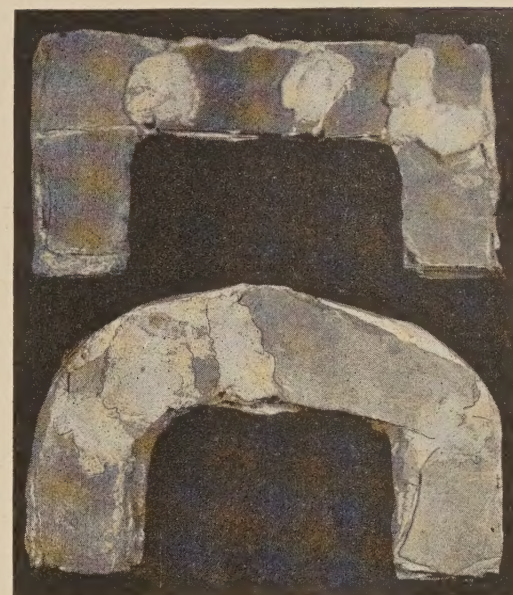
No. G. G. 1 6¾ wide by 3¼ deep 35c Ea.

No. G. G. 2 Same size but crescent shape 35c Ea.



This style guard is constructed of cement in blended colors with slate or other rocks, and blends in naturally with the plants. We have used this type in our own show tanks for years. Customers have admired them.

| | |
|---|-----|
| No. GG3 for use in aquarium 2 or 3 gallon about 6 inches long | 25c |
| GG4 for 5 gallon about 8 inches long | 35c |
| GG5 for 10 gallon about 10 inches long | 50c |
| GG6 for 15 to 20 gallon about 12 inches long | 75c |



The above guards are for larger size aquaria of sturdy construction, made of plain cement and slate, length about 11 inches, depth 5 inches, weight about 4 pounds. Shipped only by express.

| | |
|------------------------|-------------|
| GG7 square style | \$1.00 each |
| GG8 round style..... | 1.00 each |

We have some beautiful pieces of mineral rock. Pieces that will add beauty to your aquarium.

| | | | |
|--|-----|--------|--------|
| QUARTZ—Clusters and groups 2½ to 5 inches long | | | |
| Pieces | 75c | \$1.00 | \$1.50 |

| | | | |
|---|-----|-----|---------------|
| OPALITE A decorative stone that comes in a mixture of brilliant colors. This material is truly beautiful under water. | | | |
| Pieces | 50c | 75c | \$1.00 \$1.50 |

| | | | |
|--|-----|--------|--------|
| DRUSY QUARTZ Unusual formations, very decorative | | | |
| Pieces | 75c | \$1.00 | \$1.50 |

| | | | |
|--|-----|--------|--------|
| WAVELLITE Comes in a mixture of green and white colors | | | |
| | 75c | \$1.00 | \$1.50 |

| | | | |
|-------------------------------------|-----|-----|--------|
| NOVACULITE Mixed assorted colors in | | | |
| | 50c | 75c | \$1.00 |

Because of Weight—
Shipped only by Express

COMPLETE AQUARIUM COLLECTIONS

THESE COLLECTIONS ARE OFFERED AS COMPLETE AQUATIC UNITS—LISTING SUCH ITEMS AS AQUARIUMS, FISH, PLANTS, SCAVENGERS, AND ACCESSORIES GROUPED TOGETHER AT ONE ADVANTAGEOUS PRICE:

COL. NO. C. A. 15—Consists of Col. No. A5, (aquatic plants)—A snail assortment No. S-10—a large size gravel guard—(15 in.) 25 lb. sack of gravel—a large dip net—1 box fish food—1 bottle Pararemedy—medicated ball.
Price complete **\$5.75**

Col. No. C. A. 115—Consists of a 15 gallon Stainless Steel Aquarium and Col. No. C. A. 15. Above complete collection. Price complete **\$18.00**

COL. NO. C. A. 10—Consists of aquatic plant Col. A-4—Snail assortment No. S-10—A medium size gravel guard, 15 lb. sack gravel—a large dip net—box fish food—bottle Pararemedy—medicated ball.
Price complete **\$4.75**

Col. No. C. A. 100—Consists of 10 gallon Stainless Steel Aquarium. No. A. C. 10 and Col. No. C. A. 10 above complete collection. Price complete **\$14.50**

Col. No. C. A. 100-0—Consists of 10 gallon aquaria. No. A. O. 10 and Col. No. C. A. 10. Price complete **\$12.00**

COL. NO. C. A. 8—Consists of aquatic plant Col. No. A-3—collection of snails No. S-10—a gravel guard to fit—a 10 lb. sack gravel—dip net—can of fish food—bottle of Remedy—medicated ball. Complete assortment **\$4.00**

Col. No. C. A. 180—Consists of 8 gal. Aquarium Stainless Steel No. A. C. 8 and above Collection No. C. A. 8. Price complete **\$12.00**

COL. NO. C. A. 5—Consists of aquatic plant Col. No. A-2—Six assorted snails—a 5 lb. sack of gravel—dip net—can of fish food—bottle of Remedy—medicated ball. Complete collection **\$3.00**

Col. No. C. A. 150—Consists of 5 gal. Aquarium No. AC5 Stainless Steel and Col. No. CA5 above collection. Price complete **\$8.50**

Col. No. C. A. 150-0—Consists of 5 gal. Aquaria No. AO 5. Price complete **\$7.50**

Col. No. CA 20—Consists of Collection No. A1. Aquatic Plants. Two Pair snails, small size gravel guard, Sufficient gravel, dip net, 1 box fish food, 1 bottle Pararemedy, 1 Medicated Hi Balls. Price complete **\$2.25**

Col. No. CA 200—Consists of 2 gal. Stainless Steel Aquarium No. AC2 and above collection No. C. A. 20. Price complete **\$5.00**

With two pair Trinidad Guppies **\$6.00**

With one Male Betta (Siamese fighting fish) **7.00**

All the Aquariums—with Complete Assortments are shipped only by Express—Express charges collect.

If tropicals or goldfish are desired with above assortments for the ten and fifteen gallon aquarium we suggest Col. No. F-1—F-2 or F-4 Tropical Fish or Goldfish Collection No. G-3.

For the 8 gal. aquarium—we have a collection of goldfish—G-1 10 asst. fish—\$1.75—Tropical Live Bearing Fish F-5 10 fish for \$2.00.

For the 5 gal. aquarium—we can assort you 6 goldfish Col. G-10 for \$1.25.

If Tropical Fish—are to be used in the above aquarium—a Thermostat and heater are suggested as necessities; for the fifteen gal. aquarium—a 50 watt or 75 watt—10 inch heater for the 8 or 10 gal.—a 25 watt or 50 watt for the five gal. a 25 watt heater.

FISH FOODS AND REMEDIES

We take this opportunity to tell you that—our fish foods are tried, tested, and approved. They are made of the things that the aquatic animals like the best, the elements that are best for their growth.

Goldfish Food..... per can 15c per lb. 35c

Tropical Fish Food..... per can 15c per lb. 75c

Shrimp Food..... per can 15c per lb. 50c

Turtle Food..... per can 15c

Newt Food..... per can 15c

Fish and Plant Tonic..... 4 oz. 25c per lb. 50c

Fungus Remedy..... Bottle 25c

Aquarium Disinfectant..... 25c

Aquarium Gravel Shipped by Express Collect only:

5 lb. Bag 25c 10 lb. Bag 50c 25 lb. Bag. \$1.00

White Worms (Enchytra)—per portion 50c; Large portion \$1.00

PARAREMEDY—An efficient preparation for Mouth and Body Fungus for Gold or Tropical Fish. 25c

PARATONIC—For treatment of "itch." 5 oz. container 15c

INFUSORIA TABLETS—Just drop in water. Per can 25c

INFUSORIA POWDER—A fine food for Baby Fishes. Directions on can. Per can 25c

BRINE SHRIMP EGGS—Used in producing live food for Tropical Fish. 50c

Collection No. 35

**Fish Foods—Remedies
Nets, Etc.**

A season's supply—no need now to order three or four times a season—get your needs in one order.

1 lb. goldfish food or
½ lb. Tropical Fish food
(Specify Which)

1 box Fish Tonic

1 bottle Pararemedy

6 Water Purifiers

1 Dip net

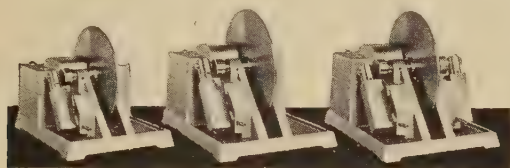
1 book "Your Aquarium"

\$1.50

AERATING EQUIPMENT

WHY AN AIR PUMP?

In your aquarium, with one of our air pumps, you can safely double the number of fish. Growth of fish and plants is stimulated noticeably. Aeration brings out more of the natural color and beauty of your finny pets. And in breeding, all important to heavy producers as the egg layers, the fry will be bred stronger and grow more rapidly.



MARCO PUMP

Considered one of the best pumps on the market. Dependable, silent, long lasting. Three models, will supply twelve, twenty-four, and thirty-six air releasers respectively. Pump consists of aluminum frame, and electro magnet, a copper rotor, and a piston and cylinder, **all parts are made of the most durable materials available.**

Model A 12 releasers **\$25.00**
Model B 24 releasers **30.00**
Model B2 36 releasers **35.00**

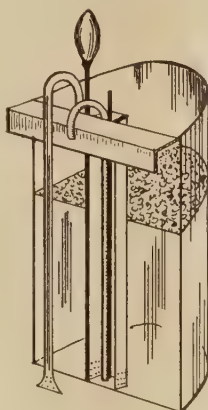
THIBERG AERIATOR—A small, compact, powerful pump, will provide enough air for two releasers. Pressure flow of air is controlled by adjusting knob on top. An air pump, priced easily within the range of all aquatic fanciers. Price **\$9.50**

AIRSPRAY—A superior make in air pumps. Compact, rectangular, metal housing and noiseless operation make it particularly suitable for the discriminating fish fancier. Will feed up to ten releasers. Price **\$20.00**



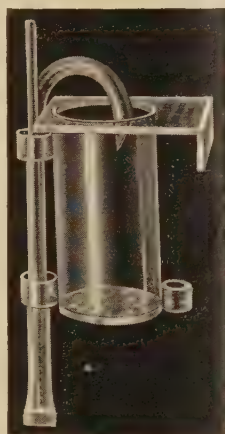
DIVER—Adds that final, realist, undersea touch to the aquarium. Useful as well as ornamental, with aerating stone built into the crown of the helmet.

Price **\$2.00**

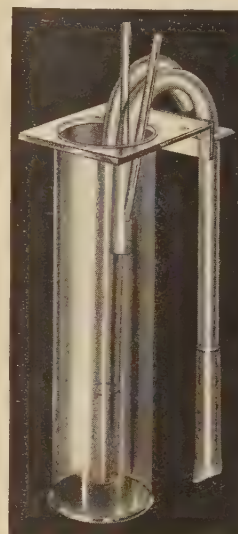


OUTSIDE CELLULOID FILTERS—All celluloid unbreakable construction. Complete with two stems. Rubber ball starter. Glass wool and Charcoal. Filter Sr. size 8½ inches high—5 inches long 3¼ inches width. Price **\$5.50**

THERMO — Plastic Filters—3 models. Constructed of clear plastic; all working parts are readily visible. The instrument is notably compact measuring 2 inches square by 7 or 8 inches high. A perfect balance between air pressure and water capacity makes this an ideal unit.



OUTSIDE FILTER



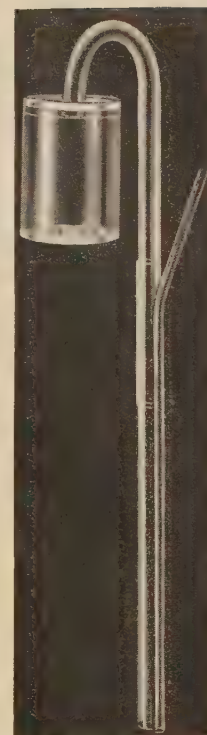
INSIDE FILTER

Senior Model Filters
 480 gals. pumps in 24 hrs. **\$6.00**

Junior Model filters 360
 gals. pumps in 24 hrs. **\$5.50**

Inside Filters **\$4.50**
 Complete with glass wool and charcoal.

POWDER DIP TUBE—Something new and useful. Attached to and powered by the air pump. Eliminates the removal of water from the tank. Waste is carried into the filter cup and is retained there by the filter material while the water is forced back into the tank. Price **\$2.75** Each



POWER DIP TUBE

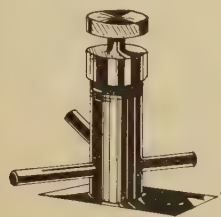
INSIDE SLIDE FILTER—is a combination of the inside filters on firm plastic stems. Can be lowered to match any depth of water. Price **\$6.00**

BASKET FILTER—is a combination of the power dip tube and filter combination. Use it as a dip tube, then hang on inside of the tank and it's a filter. Price **\$6.00**

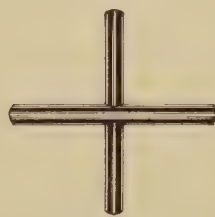
| | |
|--|-----------------|
| GLASS WOOL. | 25c per portion |
| Activated Charcoal Per quart | 30c |
| Celluloid Tubing 15" length | 20c |
| No. 1 Air Valve —½ inch threaded. | Each 75c |
| No. 2 Air Valve 3 way—(illustrated) 2 way left—2 way right. | Each 75c |
| No. 3 Brass X. | Each 35c |
| No. 4 Brass T. | Each 35c |
| No. 5 Brass T. | Each 35c |
| No. 6 Air Stones. | Each 35c |
| No. 7-8 Metal Clamp. | Each 35c |
| No. 8 Metal Clamp open. | Each 35c |
| Air Hose Rubber. | per foot 7c |
| Lucite T. Each | 35c |
| Lucite X. Each | 35c |



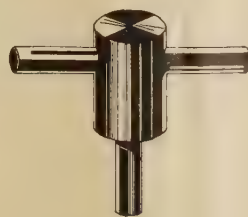
No. 1



No. 2



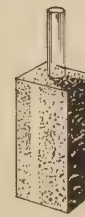
No. 3



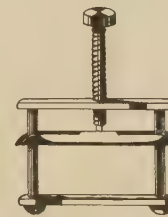
No. 4



No. 5



No. 6



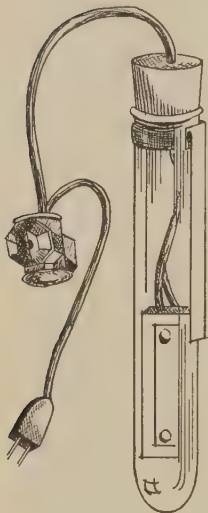
No. 7



No. 8

HEATING EQUIPMENT

By using thermostat and heaters all temperature trouble can be solved for the winter. Automatic controlled heaters are perhaps the greatest benefit ever devised for the tropical aquarium. Water must be maintained at 70 degrees at the lowest for successful keeping of Tropical Fish. 80 to 85 degrees for sick fish. 80 to 85 when spawning egg laying fish.



AQUARIUM THERMOSTAT Renoylene Product

This thermostat is easily adjusted. Due to their unique construction snap action effect is secured. Thereby reducing all objectionable radio interference to a minimum. Thermostats are made with six foot rubber cord—three way connector and holder. Will accommodate heaters up to 250 wattage.

Price \$3.00 each



AQUARIUM HEATERS—Another Renoylene Product. Elements are of a grade A. Chrome steel with ample safety factors. Available in 25, 50, or 75 watt. 8 inch size \$1.65, 10 inch size \$1.75, 15 watt 8 inch size only \$1.50, 100 watt 10 inch length only \$2.00.

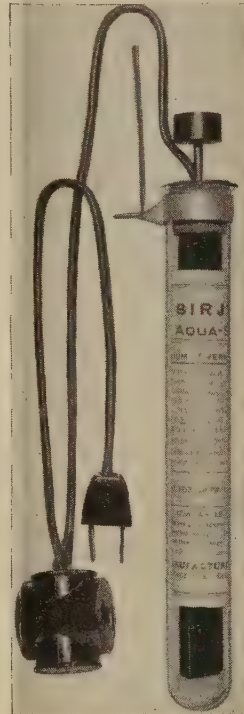
SUBMERSIBLE HEATERS—Made in 8 inch length—are similar in appearance to standard heaters except they are sealed with live rubber which make them absolutely water-proof. 25, 50, or 75 watts Price \$2.75



THERMOSTATIC HEATER—Pyrex—Automatic, thermostatically controlled heater. Laboratory tested elements. Tubes held to side of aquarium with clear Lucite holdings. No metal to corrode. 40 watts \$3.85, 75 watts \$3.95

BIRG THERMOSTAT—Senior Aqua-Stat-Temperature range. 70° F to 100° F. Top adjustment knob. Controls up to 600 watts. Guaranteed by manufacturer for one year. A real piece of aquatic equipment.

Price \$4.95



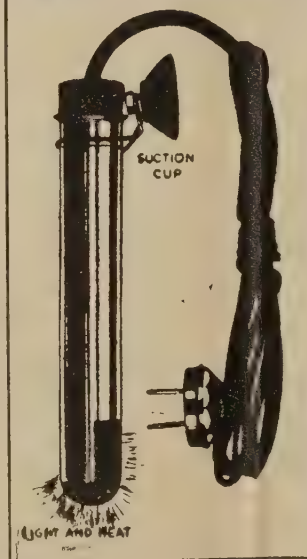
NEW ADJUSTABLE HEATER—Here is the New ITEM for 1947. A heater that you can safely adjust, from 20 watts (for a small tank) to 80 watts (for a large tank). Can be used in connection with any thermostat.

Price \$4.50

ACME SUBMERSIBLE HEATERS—Another good line of heaters. Can be used in connection with any thermostat.

25 watts—6 inches \$2.00 Each
50 watts—8 inches 2.25 Each
75 watts—8 inches 2.35 Each

GLO-LITE HEATER



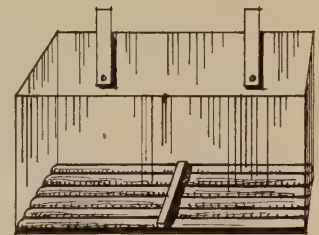
GLO-LITE AQUARIUM HEATERS—Heat and illuminate the aquarium at the same time at a very low cost—Prevents temperature of the water dropping below danger line during the night. The light rays stimulate plant growth. Suitable for tanks from 2 to 5 gallon.

Price \$1.50

AQUATIC ACCESSORIES

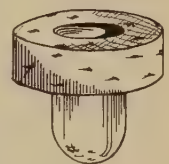
BREEDING TRAP—

Save these babies! Two different styles. V bottom for the live bearers, square bottom for the egg layer, made of lucite which hooks to suspend trap in the aquarium. Fry will drop through slits in the bottom. V Trap price \$1.75—Square Trap price \$2.00



WORM FEEDERS—Holes in the bottom of this floating tube enables the worms to slip into the aquariums slowly, preventing an overabundance of worms in the tank at once. Fish will impatiently wait beneath the worm feeder for their meal.

Price 35c



PLANTING TONGS—Simplifies the planting of deep aquariums, eliminates removing water from tank to add new plants. 19 inches long, rustproof.

Price \$2.00



PLANTING SCISSORS—for use in trimming dead leaves or cutting back overgrowth, 19 inches long, rust-proof.

Price 2.00



GLASS TUBES—To replace tubes for broken heaters and thermostats.

1"x8" 25c—1"x10" 35c 3/4"x6" 20c



Aquarium Necessities

DIP TUBES

Will help keep the bottom of the aquarium clean. Put the large end into the aquarium over the matter that you wish to remove. Keep finger at the opening on the top until you are ready to remove this, then remove your finger—and presto—the food will enter the syphon. Replace your finger on top while lifting from the aquarium.

12 inch size—25c; 16 inch size—50c; 14 inch size—35c

FEEDING RINGS—The fish will welcome one of these—and they will become so tame that when they see you with the fish food they will rush to the feeding ring. 25c each

THERMOMETER—This is an absolute necessity in the aquarium—Otherwise your water may go below or above the proper temperature. 25c each

MEDICATED BALLS—Used in the aquarium they will help prevent acid conditions. Every aquarium of fishes should have one or more in it. 10c each; 3 for 25c

FISH NETS—You need one of these nets for removing fish—very handy— For Gold or Tropical Fish—Wire Handles .



| | |
|--|-----|
| N 1—3 inch Triangular net..... | 15c |
| N 2—4 inch Triangular net..... | 25c |
| For gold or tropical fish. All nets with wire handles. | |
| N 3—6 inch Triangular net..... | 35c |
| N 4—4x5 inch size..... | 35c |
| N 5—5x8 inch..... | 50c |
| N 6—7x10 inch for large tanks..... | 75c |

GLASSIES—large one inch size marbles in assorted colors. Very decorative. 12 for 25c; 100 for \$1.50

AQUARIUM CEMENT—A product that can't be beat for construction of new tanks or to repair your old aquarium.

We have the highest quality for making or repairing tanks. Easy to handle. A black cement ready for immediate use. Simple directions printed on can. One pound cans—40c
5 lb. Cans (shipped via Express). \$1.65

MINERAL COLLECTION—To be used for effect in either the aquarium or Terrarium, consist of Red Bauxite, Novaculite, Syenite, Quartz, and Siderite.

5 lbs. assorted for \$1.25. (Shipped via express only.)

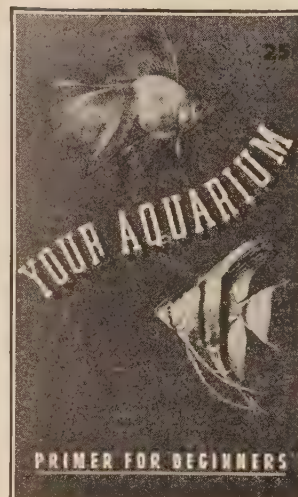
TURTLE BRIDGES—To be used wherever turtles are kept—gives them the opportunity to crawl out of the water. 15c each

JO JO AQUARIUM GRAVEL

By express, charges collect, only.

5 lb. bag—25c; 10 lb. bag—50c; 25 lb. bag, suitable for larger aquaria, \$1.00.

READ THESE BOOKS



YOUR AQUARIUM

A New Book

Brief clear directions for keeping Fishes and plants in health—by Wm. T. Innes—Editor of "The Aquarium"—32 pages, with many illustrations of both gold and Tropical Fish.

Only 30c by mail

EXOTIC AQUARIUM FISHES by Wm. T. Innes. Seventh Edition. This new 500 page book with color plates and black and white illustrations is one that everyone interested in aquarium fishes should own. Maps showing world distribution. Pages devoted to Plants, diseases, enemies, scavengers, etc. New Edition \$6.00 by mail

TROPICAL FISH—by Lucille Mann—a very interesting little book. Chapters on all the important aquatic items. 110 pages. Many illustrations. Price 50c by mail

TROPICAL FISH HANDBOOK—by Guenther L. Schott. A thirty-six page book for the beginner. Containing illustration and descriptions of Tropical fish, goldfish, Scavenger, etc. Price 30c by mail

GOLDFISH HANDBOOK—A small but very interesting book. About the popular variety of fish. Price 25c by mail

CACTI AND SUCCULENTS—and how to grow them. An illustrated booklet with 68 pages packed with all the answers on how to grow your plants successfully. Per copy 30c.

SELF DESIGNING CRYSTAL PAINT—It beautifies the Aquarium. It is easy to apply and will dry in half an hour. Price 30c

LIQUID AQUARIUM CEMENT—Stops minor leaks in the aquarium. It is applied to the inside. Aquariums must be dry before using. Price 25c

AQUARIUM ORNAMENTS—Clay baked. Castle like with large openings for the fish to swim through. Price 50c

NEW FEEDING RINGS—A new plastic floating type. Can be used for dry or live food. A very useful item. Price 75c

AQUARIUM SCRAPERS—This useful item helps keep the aquarium clean. Price 50c

WATER TESTING KITS—Simple kits for testing the acidity or alkalinity of the water in your tank. Price 60c

TERRARIUM PLANT COLLECTIONS

BOG TERRARIUM COLLECTION

A fine selection of plants. Each collection includes one of the interesting little Venus Fly Traps; sufficient plants for the size terrarium desired. Five plants, three varieties, for the five gallon terrarium; Ten plants, four varieties, for the ten gallon size. The chance you've always wanted to get some of these insectivorous plants. (Described on Page 12.)

Collection No. BT-50 for Five Gallon only \$1.50.

Collection No. BT-100 for Ten Gallon only \$2.50.

WOODLAND COLLECTION

(Ferns, FT series, described and illustrated, Page 14.)

As illustrated this collection is quite complete, with a selection of plants, all different, for the terrarium. Five plants, 5 varieties, for the five gallon; ten plants for the ten gallon; fifteen plants for the fifteen gallon, includes moss, cork bark, and lichens.

Collection No. FT-50 for the Five Gallon only \$1.50.

Collection No. FT-100 for the Ten Gallon only \$2.50.

Collection No. FT-150 for Fifteen Gallon only \$3.50.

THE DESERT TERRARIUM COLLECTION

CT. series of Plants illustrated and described, Page 15.

One of the most attractive of the terraria, this can be built to fill your own conception of the desert. A selection of plants, includes some of each type cactus, barrel, bush, and others. Five plants for the five gallon, ten plants for the ten gallon, fifteen plants for the fifteen gallon.

Collection No. CT-50 for Five Gallon only \$1.25.

Collection No. CT-100 for Ten Gallon only \$2.00.

Collection No. CT-150 for Fifteen Gallon only \$3.00.

DECORATIVE TERRARIUM COLLECTION

Plants described Page 15.

Here is the terrarium where you can use your own individuality. Use these outstandingly different plants! Includes one Fittonia, one Moss Fern, one Cryptanthus, one Irish Moss, and the like. Five gallon contains five different plants; ten gallon, ten plants; and fifteen, fifteen plants. Includes Moss, Cork bark.

Collection No. DT-50 for Five Gallon only \$2.00.

Collection No. DT-100 for Ten Gallon only \$3.00.

Collection No. DT-150 for Fifteen Gallon only \$4.00.

MOISTURE LOVING PLANT COLLECTION

M series of plants described on page 15.

Here are plants that are excellent for terrarium use. Can be planted separate or planted with BT, FT, or DT type of plants.

Collection No. M-50 for Five Gallon only \$1.50.

Collection No. M-100 for Ten Gallon only \$2.50.

Collection No. M-150 for Fifteen Gallon only \$3.50.

THE ABOVE COLLECTIONS CAN BE SHIPPED PARCEL POST

The Insectivorous Plants and Other Bog Plants

BT-1 SARRACENIA, Minor—A tall growing plant. One of the insectivorous plants. Captures the insects in long pitcher like leaves and imprisons them. They are gradually then absorbed into the plant itself. **35c each**

BT-2 SARRACENIA, Flava—A tall growing species. Is yellowish green, with flowers of bright yellow. Pitchers gain a height of two to two and a half feet. **35c each**



BT-3 SARRACENIA, Purpurea—"Pitcher Plant." Produces pitchers which attain a length of from eight to twelve inches, green colored with purple veins, the flowers are borne on stems from one to two feet high. The petals are a bright purple. **35c each**

BT-4 SARRACENIA RUBRA—Much the same, but with a more delicate pitcher, and red blooms. **35c each**

BT-5 DIONAEA MUSCIPULA—Its leaves are in pairs, joined or hinged at the lower edge. On the upper edge of the leaves is a row of hairs, closing together like a trap. On the inside of the leaves, toward the center, are three sensitive hairs; if touched by an insect or other object, will cause the leaf to close up, imprisoning the insect or other intruder. For this reason it has been given the name "Venus Fly Trap." Every class should have an opportunity to study this plant. **50c each**



BT-6 DROSERA FILIFORMIS

(Sundews) — Interesting little plant, with long slender leaves, which are covered with little glandular hairs. Flowers are purple rose. It grows to a height of one foot, in a wet swampy ground.

35c each

BT-7 LIVERWORT—Will grow nicely in a terrarium tank. **Portion, 35c**

BT-8 SPHAGNUM MOSS—Grows well and thrives in the same tank with Pitcher Plants and Sundews. **Portion, 25c**



IVIES . . .

H-8 SPEAR HEAD IVY A miniature leaf—self branching Ivy—compact—easy to grow. **35c each.**

H-11 SMALL LEAVED VARIEGATED IVY (Elegantissima) a beautiful Ivy of very slow growth. **25c each.**

H-12 ALBANY IVY (Dwarf Ivy) compact—dense growth—Hardy. **35c each.**

H-10 ARBORESCENS IVY (Conglomerata Erecta)—an ivy oddity—grows stiff and erect with small leaves standing out from two sides of the stem. **35c each.**

H-9 MINIATURE VARIEGATED IVY A small leaf type similar to the large leaved variegated Ivy. **35c each.**

COLLECTION H-75
One each of the above described Ivy plants for only
\$1.50

IVIES

H-1 ENGLISH IVY (Hedera Helix). For the border where it is a bit shady. Alternate dark green leaves. **Each 20c.**

H-2 HEART LEAF IVY (Hedera Colchica). Its leaves form a definite heart pattern. **Each 25c.**

H-3 SELF BRANCHING IVY (Hedera Pittsburgh). Grows with new branches forming at the base of the leaves. **Each 25c.**

H-4 VARIEGATED IVY (Hedera Helix Variegata). A blending of green and white not hardy. **Each 25c.**

H-5 BUNCHLEAF IVY (Hedera Conglomerata). Small bunchy and new. Leaves are curly. **Each 35c.**

H-6 LEOPARD IVY (Hedera Colchica Variegata). Leaves are deep green with tiny white dotted coloring on the surface of the leaf. **Each 25c.**

H-7 GRAPE IVY (Vitis Rhombifolia). Leaves are bright green shiny like the leaves of a grape vine. **Each 25c.**

COLLECTION No. H-50

One each of the above described Ivy plants.
For only

\$1.50



Ivy as described above

Back row: H-3, H-4, H-1, H-6; front row: H-5, H-7, H-2

More New Ivies

H-14 ALGERIAN IVY Here's an ivy that really will grow for you—giant dark green leaves on long stems (a Jack and the Bean Stock Ivy). **25c.**

H-15 ULEBERS CALIFORNIA IVY A new variety of compact growth leaves vary in size and shape—trailing type. **25c.**

H-16 CRINKLY IVY A most unusual Ivy—Round curly crinkly leaves. Grows erect. **75c**

H-17 MERION BEAUTY A dainty small leaf variety of self branching habits—grows compact and trails. **25c**

H-18 TORTUOSA Another unusual Ivy—Leaves have three distinct points—glossy green color. **25c.**

COLLECTION H-100

These 5 new varieties

\$1.50

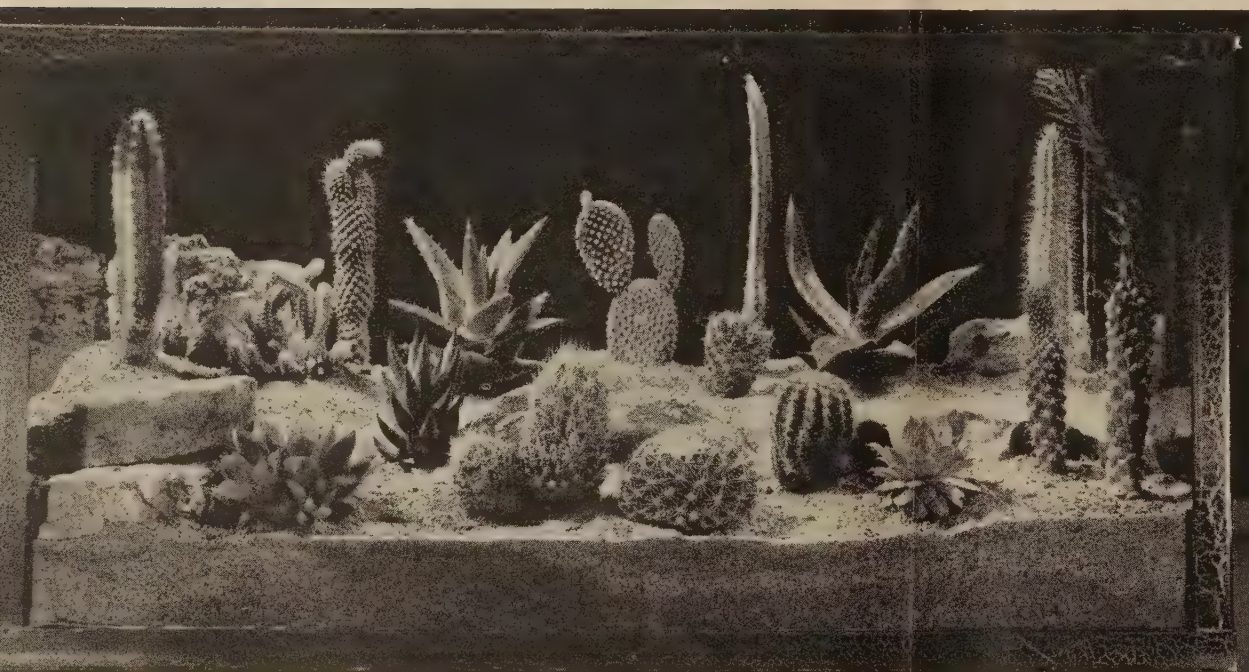


DECORATIVE PLANTS

- DT-1—Watermelon Peperomia
- DT-2—White & Green Fittonia
- DT-3—Pink Veined Fittonia
- DT-4—Irish Moss
- DT-5—Brazilian Epicia
- DT-6—Star Cryptanthus
- DT-7—Green Cryptanthus
- DT-8—Spider Cryptanthus
- DT-9—Tradescantia
- FT-11—Moss Fern

DT-2-3-4-7-9—25c
 DT-1-6-8—35c
 DT-5—50c
 FT-11—35c

Back row: DT-1, DT-4, DT-9,
 DT-3, FT-11, DT-5; Front row:
 DT-6, DT-7, DT-8, DT-2.



CACTI

- CT-1—Aloe—Gasteria
- CT-2—Aloe Nobilis
- CT-3—Haworthia Cymbiformis
- CT-4—Haworthia Coarctata
- CT-5—Nyctocereus Serpentinus
- CT-6—Opuntia Crestata
- CT-7—Eupharbea Caput Medusae
- CT-8—Opuntia Rufida
- CT-9—Opuntia Microdasys
- CT-10—Coraphantha
- CT-11—Chamaecereus Sylvestrii
- CT-13—Mammillaria
- CT-14—Echinocereus
- CT-15—Coraphantha
- CT-16—Sempervivum
- CT-17—Stapelia

All CT series Plants priced individually
 at

25c each

Back row: CT-12, CT-11, CT-6, CT-2,
 CT-9, CT-10, CT-17, CT-1, CT-5; Front
 row: CT-3, CT-4, CT-15, CT-13, CT-14,
 CT-16, CT-6, CT-7.

FERNS

- FT-1—Pteris
 Variegated
- FT-2—Onychium
 Japonicus
- FT-3—Crytonium
- FT-4—Pteris
 Serrulata
- FT-5—Pteris
 Wilsonii
- FT-6—Pteris Parkerii
- FT-7—Pteris Cristata
- FT-8—Pteris
 Rivertoniana

All FT Series
 Plants priced
 at 20c



Ferns, described above, from left to right: FT-1, FT-5, FT-6, FT-4, FT-3, FT-2, FT-8.

It is easy to grow
 plants and enjoy a
 garden indoors.
 Study the lists of the
 many and varied va-
 rieties we offer, then
 select the ones you
 like best.

ORDER SHEET

Loveland Goldfish Farm and Aquatic Nursery

JOE JOHANNIGMAN, JR.

LOVELAND, OHIO

Date

Name _____

Address

City _____ State _____

Express Office

If Different From Post Office

Terms—Cash with order. No goods sent C. O. D.

[illegible]

DO NOT WRITE IN THIS SPACE

R.

M.O. _____

F.

Cash

By

Check

Exp.

P.P.

ORDER SHEET

1. Name of the person or organization to whom the order is issued

2. Address of the person or organization to whom the order is issued

3. City and State of the person or organization to whom the order is issued

4. Name of the person or organization to whom the order is issued

5. Address of the person or organization to whom the order is issued

6. City and State of the person or organization to whom the order is issued

7. Name of the person or organization to whom the order is issued

8. Address of the person or organization to whom the order is issued

9. City and State of the person or organization to whom the order is issued

10. Name of the person or organization to whom the order is issued

11. Address of the person or organization to whom the order is issued

12. City and State of the person or organization to whom the order is issued

13. Name of the person or organization to whom the order is issued

14. Address of the person or organization to whom the order is issued

15. City and State of the person or organization to whom the order is issued

16. Name of the person or organization to whom the order is issued

17. Address of the person or organization to whom the order is issued

18. City and State of the person or organization to whom the order is issued

19. Name of the person or organization to whom the order is issued

20. Address of the person or organization to whom the order is issued

21. City and State of the person or organization to whom the order is issued

22. Name of the person or organization to whom the order is issued

23. Address of the person or organization to whom the order is issued

24. City and State of the person or organization to whom the order is issued

25. Name of the person or organization to whom the order is issued

26. Address of the person or organization to whom the order is issued

27. City and State of the person or organization to whom the order is issued

28. Name of the person or organization to whom the order is issued

29. Address of the person or organization to whom the order is issued

30. City and State of the person or organization to whom the order is issued

Moisture Loving Plants

... for outdoor pools ... for indoor pools ... for window gardens ... for growing in vases with water ... for terrarium. When looking for vines use the Philodendron and Pothos. A group of plants that are adaptable to many uses.

| | |
|--------------------------------|-----|
| M-1—Syngonium Variegated..... | 35c |
| M-2—Syngonium Ruth Frazer..... | 50c |
| M-3—Nephtytis..... | 35c |
| M-4—Philodendron Cordatum..... | 25c |
| M-5—Pothos aureus..... | 25c |
| M-6—Red Philodendron..... | 25c |
| M-7—Silver Marlebe Pothos..... | 50c |



COLLECTION M L 50 ONE EACH ABOVE PLANTS \$1.50

All these plants can be grown in quite deep shade, making them a desirable plant.
They like plenty of water.

CARE OF PLANTS ON ARRIVAL

When plants are received they should be taken from the box in which they are shipped, immediately—as this will prevent heating and rotting. If they appear dry, unless they are cacti or succulents you had best water them at once, taking care that they do not stand in water but have sufficient to give the plants the desired moisture. They should be planted at once. In the case of ferns, or other decorative type plants it is best to dampen the soil before planting. This will not only allow the soil to pack more securely about the roots, but the water will be distributed throughout the soil so plants may begin immediate growth. The cacti or succulents should be planted and then watered as a sandy soil will allow water to distribute itself more readily than the above.

SOIL MIXTURE FOR POTTING

A general soil mixture consisting of 1 part each sand, leaf mold or peat moss and well rotted cow manure to 3 parts good garden top soil make excellent potting soil for most plants—Ferns use one part each soil, sand and leaf mold—Cacti—3 parts soil—2 parts sand.

PESTS

Aphids, mealy bug, red spider and scale are the ones that most often cause trouble.

Fortunately any good contact spray will control all four of these—Black Leaf 40. Rotenone and pyrethrum sprays.

BARCAFERS NEW TYPE IVY

No. H. 21—Another new variety. Listed for the first time. A bunchy compact grower with dark green five tipped leaves. It is self branching sending forth new shoots where the larger leaves and the vine join. Can be trimmed each to make a bushy plant.

Price 50c

PARTRIDGE BERRY

In stock only October and November. Excellent for use in Terrariums, either as a single specimen or planted with other plants.

Per portion 50c



Eupharbia Grandicormis

You Will
Like The

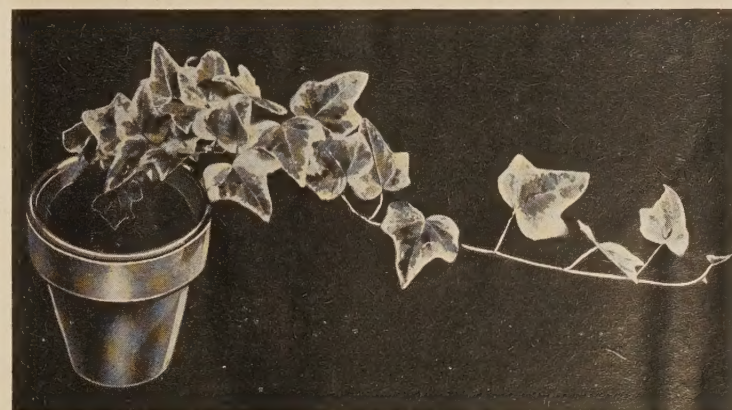
OLD
COW
HORN

Small Size
50c

Large Size
\$1.00

AFRICAN-VIOLETS
WORTHWHILE PLANTS
FOR THE INDOORS

| | |
|-----------------------|---------|
| Pink African Violets | 50c ea. |
| White African Violets | 75c ea. |
| Blue Girl Violet | 50c ea. |



ANOTHER SMALL LEAF VARIEGATED IVY

No. H. 20—A new ivy, one with which you will be pleased. An excellent vining type. Its small, green centered, white edged, leaves cluster close together. An attractive plant. One you will be proud to own and display.

Price 50c each

TERMS EFFECTIVE SEPTEMBER 1, 1946

ORDER EARLY

This is most important—and use Order Sheet, carefully filling in blank places and enclosing payment for full amount of order. Write name and address plainly. To facilitate handling do not write letters on same sheet as orders.

REMITTANCE should be made by Post Office or Express Money Order, Bank Draft, or if more convenient to you, send your personal check.

Include 10% extra to amount of order for Parcel Post Shipment—which will take care of handling and prepaid postage. This applies to Water Lilies, Bog, Floating Shallow Water and Submerged Plants, Collections, Scavengers and Foods and Remedies.

ORDERS FOR \$1.50 OR LESS REQUIRE 15c EXTRA FOR PACKING AND POSTAGE. THIS AMOUNT MUST BE ADDED TO AMOUNT OF ORDER.

HANDLING GOLDFISH ON ARRIVAL. Never allow them to remain in their cans for too long a period or overnight. Before transferring fish to your pool or aquarium, be sure the temperature of water is of no great difference. Best to add some of your water to the can in which fish have been shipped. Use one ounce salt per gallon of water to help heal any injury that was done in shipping. Do not take fish in hands. Use a dip net.

CULTURAL DIRECTIONS. We have printed on small leaflets for your convenience complete cultural directions. One of these will be sent with each order.

GOLDFISH must be sent by express.

We ship Goldfish in this catalog all the year round. **When plants are ordered with Goldfish the entire order is shipped via express, charges collect.**

Minimum order on goldfish—\$1.00.

No goldfish orders accepted if shipping distance is over 1000 miles.

Complete instructions Page 4.

Empty Fish Cans must be returned at once

Empty cans should be dried out and returned. Failure to return can, we will have to charge you \$2.00 to \$5.00 depending on can. If you do not care to help us—by returning can—please do not order.

Aquariums—aquarium gravel are shipped only by express—shipping charges collect.

DUE TO PRESENT CONDITIONS—PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Bad Order Report

If shipment via express arrives in bad condition accept shipment but be sure to get this Bad Order Report from your express agent—stating loss—condition of shipment and if delayed—stated thereon—**No Claims Considered without this report.** Do not return merchandise without our permission. We still guarantee Live Arrival—but must have your cooperation—in securing necessary papers to file claim.

PRICES APPLY ONLY TO THE UNITED STATES PROPER

GUARANTEE

We ship good stock carefully packed. All goods are guaranteed to reach you in good condition. If shipment should arrive in bad condition—be sure to receive a Bad Order Report from the Express Co.—stating condition of package and of fish—condition of water and if delayed stated thereon. Loveland Gold-

fish Farm makes no warranty, expressed or implied, with reference to any merchandise sold by us, except as to certified size and quality, and that all stock shall be true to name and our liability in any case shall be limited to the replacement of such items as are short or damaged.

Where To Find It . . .

| | | |
|-------------------------------------|------|-----|
| Aquatic Plant..... | Page | 2-3 |
| Aquatic Plant Collection..... | Page | 5-8 |
| Scavengers—Snails..... | Page | 4 |
| Scavenger Collection..... | Page | 5-8 |
| Fish Food..... | Page | 8 |
| Goldfish..... | Page | 4 |
| Goldfish Collection..... | Page | 5 |
| Plant and Scavenger Collection..... | Page | 5-8 |
| Aquariums..... | Page | 6-7 |

| | | |
|-----------------------------------|------|-----------|
| Aquarium Necessities..... | Page | 7-9-10-11 |
| Heaters..... | Page | 10 |
| Thermostats..... | Page | 10 |
| Complete Aquarium Collection..... | Page | 8 |
| Ivies..... | Page | 12 |
| Moisture Loving Plants..... | Page | 15 |
| Cacti..... | Page | 14 |
| Books..... | Page | 11 |
| Supplies..... | Page | 11 |
| Terms..... | Page | 16 |